

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. 0317MH-23513C

In re Application of:

**DANIEL A. HENDERSON**

Examiner: **BARNIE, R.**

Serial No. **09/477,167**

Filed: **4 JANUARY 2000**

Art Unit: **2643**

For: **METHOD AND APPARATUS FOR IMPROVED PAGING RECEIVER AND SYSTEM**

**PRELIMINARY AMENDMENT**

Hon. Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

Sir:

Please cancel pending Claims 19-29 and 40-363.

Please add new Claims 364-417.

Attached find a new Abstract.

**CERTIFICATE OF MAILING**  
**37 CFR § 1.8(a)**

I hereby certify that this paper or fee is being deposited with the United States Postal Service as First Class Mail service under 37 C.F.R. § 1.8(a) ~~on the date indicated below~~ and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231

Date of Deposit: 10-20-2009 By: 

5 364. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying an image comprising the steps of:

10 a) storing image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data that is related to a calling party;

20 c) using the CPU to determine whether at least one of the Caller ID data and other caller identifying data received matches caller identifying data stored in at least one database record recorded in memory; and

25 d) using the CPU to display the image data on the display member when it is determined that at least one of the Caller ID data and other caller identifying data received matches stored caller identifying data of a potential communicant.

5 365. A method as in Claim 364 where the memory is Random Access Memory.

366. A method as in Claim 364 where the CPU is a microprocessor.

10 367. A method as in Claim 364 where the image is at least one of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 15 (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

5 368. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a sound output device, a CPU, a memory, and a sound input accessory, a method for generating a sound comprising the steps of:

10 a) storing sound data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data that is related to a calling party;

20 c) using the CPU to determine whether at least one of the Caller ID data and other caller identifying data received in the wireless signal matches caller identifying data stored in at least one database record recorded in memory; and

25 d) using the sound output device to generate a sound using a sound output device when it is determined that at least one of the incoming Caller ID data and other caller identifying data received matches stored caller identifying data of a potential communicant.

5 369. A method as in Claim 368 where the memory is Random Access Memory.

370. A method as in Claim 368 where the CPU is a microprocessor.

10 371. A method as in Claim 368 where the sound data is at least one of the following:

- a) .WAV file;
- b) personal computer file;
- 15 c) recorded sound;
- d) uploaded sound; and
- e) pre-stored voice signal.

5 372. A method for displaying an image in a wireless personal  
communicator, comprising the steps of:

10 (a) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
communicator;

15 (b) pre-storing numeric caller identifying data associated with  
an image representative of at least one potential communicant in a  
memory contained in the wireless personal communicator;

20 (c) receiving a wireless signal at the wireless personal  
communicator containing at least one of Caller ID data originating from  
the public switched telephone network and other caller identifying data  
related to a calling party;

25 (d) comparing at least one of the received Caller ID data and  
other caller identifying data related to a calling party with the pre-  
stored numeric caller identifying data to determine if there is a match  
between at least one of the received Caller ID data and other caller  
identifying data and the pre-stored caller identifying data; and

30 (e) displaying a pre-stored image representative of a calling  
party on a display in the wireless personal communicator when it is  
determined that at least one of the received Caller ID data and other  
caller identifying data received matches the pre-stored numeric caller  
identifying data.

5 373. A method as in Claim 372 where the wireless personal communicator  
may display or annunciate information to the owner of the wireless personal  
communicator indicating that the calling party is not listed within the database  
when at least one of the Caller ID data and other caller identifying data  
received fails to produce a match with the pre-stored numeric caller identifying  
10 data.

374. A method as in Claim 373 further comprising a prompt to the owner of  
the wireless personal communication device to utilize a keypad or alternative  
input interface to enter data into memory that corresponds to the calling party.

15 375. A method as in Claim 372 where at least one of the Caller ID data and  
other caller identifying data received is displayed along with the pre-stored  
image representative of a calling party.

20 376. A method as in Claim 372 where at least one of (a) received Caller ID  
data, (b) other received caller identifying data, (c) a flashing iconographic  
indicator, (d) the duration of a message received, (e) time information, and (f)  
pre-stored numeric caller identifying data is displayed along with the pre-stored  
image representative of a calling party.

25 377. A method as in Claim 372 where the display is a touch screen adapted  
to accept at least one of (a) programming of soft-keys for various functions, (b)  
scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f)  
selection of menu buttons, and (g) other items by the owner of the wireless  
30 personal communicator.

378. A method as in Claim 372 where the display includes a graphical user  
interface.

5 379. A method for displaying an image in a wireless personal  
communicator, comprising the steps of:

10 (g) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
communicator;

15 (h) pre-storing alpha-numeric caller identifying data associated with  
an image of at least one potential communicant in a memory contained  
in the wireless personal communicator;

20 (i) receiving a wireless signal at the wireless personal communicator  
containing at least one of Caller ID data originating from the public  
switched telephone network and other caller identifying data related to  
a calling party;

25 (j) comparing the at least one of Caller ID data and other caller  
identifying data related to a calling party received with the pre-stored  
alpha-numeric caller identifying data to determine if there is a match  
between at least one of the Caller ID data and caller identifying data  
received and the pre-stored alpha-numeric caller identifying data;

30 (k) displaying a pre-stored image representative of a calling party on  
a display in the wireless personal communicator when it is determined  
that at least one of the Caller ID data and other caller identifying data  
received in a wireless signal matches the pre-stored alpha-numeric  
caller identifying data.

5 380. A method as in Claim 379 where the wireless personal communicator  
may display or annunciate information to the owner of the wireless personal  
communicator indicating that the calling party is not listed within the database  
when at least one of the Caller ID data and other caller identifying data  
received fails to produce a match with the pre-stored alpha-numeric caller  
10 identifying data.

381. A method as in Claim 380 further comprising a prompt to the owner of  
the wireless personal communication device to utilize a keypad or alternative  
input interface to enter data into memory that corresponds to the calling party.

15 382. A method as in Claim 379 where at least one of the Caller ID data and  
other caller identifying data received is displayed along with the pre-stored  
image representative of a calling party.

20 383. A method as in Claim 379 where at least one of (a) received Caller ID  
data, (b) other received caller identifying data, (c) a flashing iconographic  
indicator, (d) the duration of a message received, (e) time information, and (f)  
pre-stored alpha-numeric caller identifying data is displayed along with the pre-  
stored image representative of a calling party.

25 384. A method as in Claim 379 where the display is a touch screen adapted  
to accept at least one of (a) programming of soft-keys for various functions, (b)  
scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f)  
selection of menu buttons, and (g) other items by the owner of the wireless  
30 personal communicator.

385. A method as in Claim 379 where the display includes a graphical user  
interface.

5 386. A method as in Claim 372 where the pre-stored image is at least one  
of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 10 (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

387. A method as in Claim 379 where the pre-stored image is at least one  
15 of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- (d) photo image;
- 20 (e) video image data; and
- (f) other graphic image data.

5 388. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a photo image comprising the steps of:

10 (a) storing photo image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 (b) using the wireless receiver unit to receive a wireless signal containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data related to an actual communicant;

20 (c) using the CPU to determine whether at least one of the Caller ID data and other caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

25 (d) using the CPU to display the photo image data on the display member when it is determined that at least one of the incoming Caller ID data and other caller identifying data received in a wireless signal matches stored caller identifying data of a potential communicant.

5 389. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a logo comprising the steps of:

10 (a) storing logo image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 (b) using the wireless receiver unit to receive a wireless signal containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data related to an actual communicant;

20 (c) using the CPU to determine whether at least one of the Caller ID data and other caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

25 (d) using the CPU to display the logo image data on the display member when it is determined that at least one of the received Caller ID data and other caller identifying data received in the wireless signal matches stored caller identifying data of a potential communicant.

5 390. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a video image comprising the steps of:

10 (a) storing video image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 (b) using the wireless receiver unit to receive a wireless paging signal containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data related to an actual communicant;

20 (c) using the CPU to determine whether at least one of the Caller ID data and other caller identifying data received in a wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

25 (d) using the CPU to display the video image data on the display member when it is determined that at least one of the Caller ID data and other caller identifying data received in a wireless signal matches stored caller identifying data of a potential communicant.

5 391. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying an image comprising the steps of:

10 (a) storing image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 (b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one of Caller ID data originating from the public switched telephone network and other caller identifying data that is related to a calling party;

20 (c) using the CPU to determine whether at least one of Caller ID data and other caller identifying data received in the wireless paging signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

25 (d) using the CPU to display the image data on the display member when it is determined that at least one of the Caller ID data and other caller identifying data that is related to a calling party matches stored caller identifying data of a potential communicant.

5 392. A method as in Claim 391 where the memory is Random Access Memory.

393. A method as in Claim 391 where the CPU is a microprocessor.

10 394. A method as in Claim 391 where the image is at least one of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 15 (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

5 395. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a sound output device, a CPU, a memory, and a sound input accessory, a method for generating a sound comprising the steps of:

10 (a) storing sound data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 (b) using the wireless paging receiver unit to receive a wireless paging signal containing at least one caller identifying data that is related to a calling party;

20 (c) using the CPU to determine whether caller identifying data received in the wireless paging signal matches caller identifying data stored in at least one database record recorded in memory; and

25 (d) using the sound output device to generate a sound using a sound output device when it is determined that caller identifying data that is related to a calling party matches stored caller identifying data of a potential communicant.

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5 396. A method as in Claim 395 where the memory is Random Access Memory.

397. A method as in Claim 395 where the CPU is a microprocessor.

10 398. A method as in Claim 395 where the sound data is at least one of the following:

- a) .WAV file;
- b) personal computer file;
- 15 c) recorded sound;
- d) uploaded sound; and
- e) pre-stored voice signal.

5 399. A method for displaying an image in a wireless personal  
communicator, comprising the steps of:

10 (a) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
communicator;

15 (b) pre-storing caller identifying data associated with an image  
representative of at least one potential communicant in a memory  
contained in the wireless personal communicator;

20 (c) receiving a wireless signal at the wireless personal  
communicator containing caller identifying data related to a calling  
party;

25 (d) comparing the received caller identifying data related to a  
calling party with the pre-stored caller identifying data to determine if  
there is a match between the received caller identifying data and the  
pre-stored caller identifying data; and

30 (e) displaying a pre-stored image representative of a calling  
party on a display in the wireless personal communicator when it is  
determined that the received caller identifying data related to a calling  
party matches the pre-stored caller identifying data.

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5 400. A method as in Claim 399 where the wireless personal communicator may display or annunciate information to the owner of the wireless personal communicator indicating that the calling party is not listed within the database when the received caller identifying data fails to produce a match with the pre-stored caller identifying data.

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401. A method as in Claim 400 further comprising a prompt to the owner of the wireless personal communication device to utilize a keypad or alternative input interface to enter data into memory that corresponds to the calling party.

15 402. A method as in Claim 399 where the caller identifying data of a calling party is displayed along with the pre-stored image representative of a calling party.

20 403. A method as in Claim 399 where at least one of (a) received caller identifying data of a caller, (b) a flashing iconographic indicator, (c) the duration of a message received, (d) time information, and (e) pre-stored caller identifying data is displayed along with the pre-stored image representative of a calling party.

25 404. A method as in Claim 399 where the display is a touch screen adapted to accept at least one of (a) programming of soft-keys for various functions, (b) scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f) selection of menu buttons, and (g) other items by the owner of the wireless personal communicator.

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405. A method as in Claim 399 where the display includes a graphical user interface.

5 406. A method for displaying an image in a wireless personal  
communicator, comprising the steps of:

10 (a) pre-storing an image representative of at least one potential  
communicant in a memory contained in the wireless personal  
communicator;

15 (b) pre-storing alpha-numeric data associated with an image of  
at least one potential communicant in a memory contained in the  
wireless personal communicator;

20 (c) receiving a wireless signal at the wireless personal  
communicator containing caller identifying data related to a calling  
party;

25 (d) comparing the received caller identifying data related to a  
calling party with the pre-stored alpha-numeric data to determine if  
there is a match between the received caller identifying data and the  
pre-stored alpha-numeric data; and

25 (e) displaying a pre-stored image representative of a calling  
party on a display in the wireless personal communicator when it is  
determined that the received caller identifying data matches the pre-  
stored alpha-numeric data.

5 407. A method as in Claim 406 where the wireless personal communicator may display or annunciate information to the owner of the wireless personal communicator indicating that the calling party is not listed within the database when the received caller identifying data fails to produce a match with the pre-stored alpha-numeric data.

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408. A method as in Claim 407 further comprising a prompt to the owner of the wireless personal communication device to utilize a keypad or alternative input interface to enter data into memory that corresponds to the calling party.

15 409. A method as in Claim 406 where received caller identifying data is displayed along with the pre-stored image representative of a calling party.

410. A method as in Claim 406 where at least one of (a) received Caller ID data, (b) a flashing iconographic indicator, (c) the duration of a message received, (d) time information, and (e) pre-stored alpha-numeric data is displayed along with the pre-stored image representative of a calling party.

20 411. A method as in Claim 406 where the display is a touch screen adapted to accept at least one of (a) programming of soft-keys for various functions, (b) scrolling, (c) data entry, (d) message selection, (e) selection of icons, (f) selection of menu buttons, and (g) other items by the owner of the wireless personal communicator.

30 412. A method as in Claim 406 where the display includes a graphical user interface.

5 413. A method as in Claim 406 where the pre-stored image is at least one  
of the following:

- (a) iconographic data;
- (b) logo data;
- 10 (c) data representative of the calling party;
- (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

15 414. A method as in Claim 399 where the pre-stored image is at least one  
of the following:

- (a) iconographic data;
- (b) logo data;
- (c) data representative of the calling party;
- 20 (d) photo image;
- (e) video image data; and
- (f) other graphic image data.

5 415. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a photo image comprising the steps of:

10 (a) storing photo image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

15 (b) using the wireless receiver unit to receive a wireless signal containing caller identifying data;

20 (c) using the CPU to determine whether the caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory; and

(d) using the CPU to display the photo image data on the display member when it is determined that the incoming caller identifying data matches stored caller identifying data of a potential communicant.

5 416. For use in a wireless communication system and personal communication device including a wireless receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a logo comprising the steps of:

10 (a) storing logo image data and related data associated with a potential communicant in a database record in memory using an input accessory;

15 (b) using the wireless receiver unit to receive a wireless signal containing data related to an actual communicant;

(c) using the CPU to determine whether the data received in the wireless signal matches related data of a potential communicant stored in at least one database record recorded in memory; and

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(d) using the CPU to display the logo image data on the display member when it is determined that the data related to an actual communicant received in a wireless signal matches stored data related to a potential communicant.

25

5 417. For use in a wireless communication system and personal communication device including a wireless paging receiver unit, a display member, a CPU, a memory, and an input accessory, a method for displaying a video image comprising the steps of:

10 (a) storing video image data and caller identifying data of a potential communicant in a database record in memory using an input accessory;

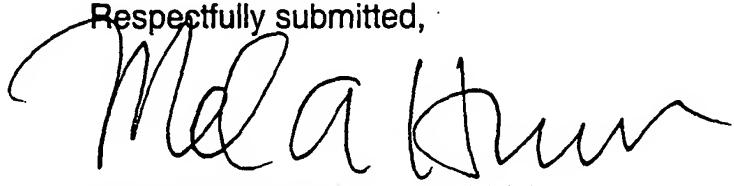
15 (b) using the wireless paging receiver unit to receive a wireless paging signal containing caller identifying data;

20 (c) using the CPU to determine whether the caller identifying data received in the wireless signal matches caller identifying data of a potential communicant stored in at least one database record recorded in memory;

(d) using the CPU to display the video image data on the display member when it is determined that the incoming caller identifying data matches stored caller identifying data of a potential communicant.

Enclosed is a check in the amount of \$1348.00 (\$375.00 filing fee; 11 additional claims \$462.00; 34 claims in excess of twenty \$306.00; and \$205.00 for the petition fee). If any additional fees are required, please charge to Deposit Account No. 50-1060.

Respectfully submitted,



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